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COUNTY BOROUGH OF WEST HARTLEPOOL.

I N T E R I M   R E P O R T

of the

MEDICAL OFFICER OF HEALTH

for the year 1941

by Dr. J.W. McKeggio, M.B., Ch.B., D.P.H.

Medical Officer of Health,  
Tuberculosis Officer, and  
School Medical Officer.

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I N T E R I M    R E P O R T  
of the  
MEDICAL OFFICER OF HEALTH  
for the year 1941.

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Public Health Department,  
Victoria Road,  
WEST HARTLEPOOL.

October, 1942.

To the Mayor, Aldermen and Councillors  
of the County Borough of West Hartlepool.

I have the honour to present my twelfth Annual Report on the health and sanitary circumstances of the County Borough of West Hartlepool.

Again the report is abridged and various figures are omitted in the interests of national security.

Generally speaking, the health of the citizens has been well maintained, and there were no significant outbreaks of any of the commoner infectious diseases.

The death rate, although slightly higher than last year, compares well with the average over the last ten years; but the birth rate reached the lowest recorded rate for the Borough, although still above the figure for England and Wales.

Scabies and Impetigo were prevalent and unfortunately innocent people may suffer along with the careless and dirty. Now clinics for treatment have been set up, and I would stress the essential importance, in prevention and cure, of personal cleanliness and hygiene.

I should urge everyone in charge of children to greater care in dealing with colds, bronchitis, etc., and prompt seeking of medical and nursing aid. The importance of this I cannot impress more strongly than by calling attention to the fact that nearly half of all the deaths from Pneumonia occurred in children between the ages of 1 and 2 years.

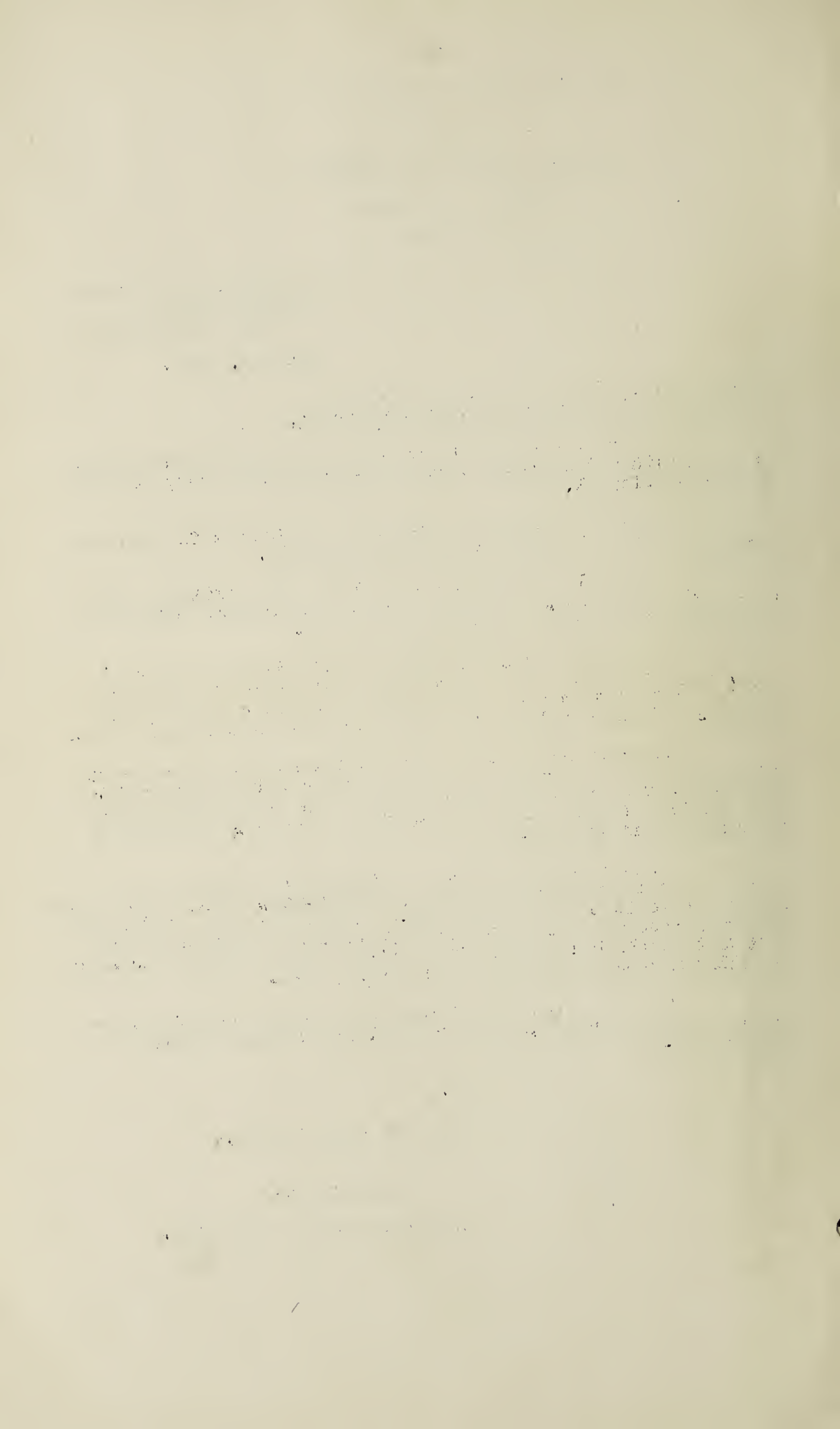
I wish to thank the Committee and my colleagues for their continued support, and for the large volume of help afforded me.

I am,

Your obedient servant,

J.W.MCKEGGIE.

Medical officer of Health.



STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	.. .. .	4,473
Population (Census 1931)	.. .. .	68,134
Number of Inhabited Houses on 31st Dec.1941, according to the Rate Books	.. .. .	18,520
Rateable Value (1st April,1941)	.. .. .	£395,360
Sum represented by a Penny Rate	.. .. .	£1,468.19.9d.
Birth Rate.....		17.11
Death Rate.....		15.57
Infantile Mortality Rate.....		84.27
For purpose of calculation of Birth Rate - Total Births.....		1068
For purpose of calculation of Infantile Mortality Rate and Maternity Mortality Rate - Total Births.....		1062

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

LIVE BIRTHS-	Total	Male	Female
Legitimate	1015	557	458
Illegitimate	53	30	23
Birth Rate per 1,000 of the Estimated resident population		.....	17.11
STILLBIRTHS-	Total 64		
Rate per 1,000 total population.....			1.02
DEATHS-	Total 971		
Death Rate per 1,000 of the estimated resident population		-	
		Standard Rate..	15.57
Deaths from Puerperal Causes -	Total ..	7	
	From Sepsis.....	3	
	From Other Causes.....	4	
Death rate of infants under one year of age:	Legitimate.....	80.53	
	Illegitimate....	3.74	
	Total	84.27	
Deaths from Measles (all ages).....		8	
Deaths from Whooping Cough (all ages).....		7	
Deaths from Diarrhoea (under two years of age).....		10	
Deaths from Cancer (all ages).....		131	

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HEALTH COMMITTEE, 1940-41.

Alderman O. Lupton - Mayor (ex-officio).

.. E. Bloom (Chairman).

.. Green (Vice-Chairman).

Councillor Abigail.

.. D'Alby.

.. Forwick.

.. Pinkney.

.. Stevenson.

.. Mrs. Venables.

.. Wheeler.

.. Williams.

Alderman Richardson (died 1941).

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

PUBLIC HEALTH STAFF.

Medical Officer of Health, School Medical Officer, etc.-

x J.W.McKEGGIE, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health -

x J.W.A.RODGERS, M.B., B.Ch., B.A.O., D.P.H.

Assistant Medical Officers of Health -

x JEAN FLOYD FARQUHAR, M.B., Ch.B., D.P.H.

x WILLIAM JAMES PEDEN, L.R.C.P. & S.I., D.P.H. Military Service  
9-7-41.

x JOHN LISSAUER, M.D. Appointed 4-11-41.

Consultant Obstetric Surgeons -

x Mr.H.HARVEY EVERS (Newcastle-on-Tyne).

x Mr.WM.HUNTER -do-

x Mr. E.FARQUHAR MURRAY -do-

x Mr.F.STABLER -do-

Consultants, Puerperal Pyrexia Regulations -

x A.C.AINSLEY, F.R.C.S., L.R.C.P.

x J.E.ENGLISH, M.B., B.Ch., B.A.O.R.U.I.

Ophthalmic Surgeon (part-time) -

x F.S.HUBBERSTY, M.R.C.S., L.R.C.P., F.R.C.S.

Aural Specialist (part-time) -

x R.M.MARSHALL, M.B., Ch.B., F.R.C.S.

School Dentists -

x A.G.WILDGOOSE, L.D.S.

x Miss M.I.MANLEY, L.D.S.

Veterinary Surgeon (part-time) -

H.HICKS, M.R.C.V.S.

Sanitary Inspectors and Inspectors under Food and Drugs Acts -

J.T.DURKIN, C.R.S.I.

H.V.ROBINSON, C.R.S.I.

I.PRICE, Cert. S.I.B. Resigned 5-5-41.

W.THOMPSON, Cert. S.I.B. Military Service 1940.

J.LIGHTFOOT, Cert. S.I.B. .. .. 1941.

Assistant Sanitary Inspectors -

J.EDWARDS Military Service 15-7-39.

WM.R.KENT .. .. 12-11-41.

Student Sanitary Inspectors -

ARTHUR J. BELL

A.G.COVERDALE Appointed 17-2-41.

B.BLOOM .. 3-2-41.

Health Visitors -

x Miss A.G.TODD (Gen.& Fever Tr., Certified Midwife, H.V.Cert.)

x Miss A.S.BAGSHAW (Gen.Trained.Cert.Midwife, H.V.Cert.)

Miss E.PEACOCK -do-

x Miss A. FIELDS -do-

x Mrs.C.E.HENDERSON -do-

x Miss I.HUNTER (Gen.& Fever Tr., Certified Midwife, H.V.Cert.)


Appointed 5-5-41.

Matron, Grantully Maternity Home -

Miss J.WIGHT (General Trained, Certified Midwife).

Matron, Isolation Hospital -

Mrs.A.JONES (General and Fever Trained).



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School Nurses -

- x Miss E.WITTEN (General Trained, Reg. Sick Children's Nurse).
- x Miss O. MAVIN, S.R.N., R.S.C.N.
- x Miss D.E.GIBSON, S.R.N., (Cert. Midwife, Queen's Reg. Nurse).

Clerks -

- A.TRENHOLM.
- Miss H.A.RICBY.
- Miss L. JARROLD.
- Miss M.MACE.
- Miss N.MOWBRAY. Transferred to Isolation Hospital 20-9-41.
- Miss E.HALL. Resigned June, 1941.
- Miss J.BRAITHWAITE.
- Miss J. RUDDOCK. Appointed 19-5-41.
- Mrs.G. COVERDALE. " 6-8-41.
- Miss M.WILSON. " 22-9-41.
- H.HENNING.

Superintendent, Public Abattoir -

W.GRAZIER.

Public Analyst (part-time) -

C.J.H.STOCK, B.Sc., F.I.C.

Venerical Diseases Attendant -

A.ADAMSON

Appointed 21-4-41.

Disinfectors -

T.HODGSON.

A.BOWER.

HOWBECK HOSPITAL.

Senior Medical Officer -

W.A.NICHOLSON, M.R.C.S., L.R.C.P.

Surgeon -

A.C.AINSLEY, F.R.C.S., L.R.C.P.

Resident Medical Officers -

R.M.HUTCHISON, M.B., Ch.B.,

F.C.E.HUTCHISON, M.B., Ch.B.

Appointed 20-8-41.

District Medical Officers under Poor Law Acts -

R.W.HILLIS, L.R.C.P.(I) & L.M., L.R.C.S.I. & L.M.

G.S.MATHER, M.B., Ch.B., D.P.H.

A.R.MUIR, M.R.C.S., L.R.C.P.

x. Contributions to salaries from Exchequer Grants.

Municipal Midwives -

- Mrs.I.BATEY, Certified Midwife No.56187.
- Miss E.BOOTH, " No.93510.
- Mrs.M.G.CRAVEN, " No.39605.
- Mrs.K.F.GALLIMORE, " No.90631.
- Mrs.H.E.HUTCHINSON, " No.72784.
- Mrs. O.KAY, " No.67863.
- Miss E.KING, " No.63984.
- Mrs.A.A.MYERS, " No.74779.
- Mrs. B. PHILLIPS, " No.67935.
- MRS.W.PICKERING, " No.74766.
- MRS.L.R.WALKER, " No.104224.







LEGISLATION IN FORCE.

There were no changes in the list of Local Acts, Adoptive Acts, and Local Regulations and Byelaws relating to Public Health, during the year.

LABORATORY WORK, 1941.

Specimens Examined.

Sputum	- Tuberculosis	Positive	127	438
		Negative	<u>310</u>	
Swabs	- Diphtheria	Positive	67	824
		Negative	<u>757</u>	
Smears	- V.D.Clinic cases		148	243
		Doctors' cases	<u>95</u>	

AMBULANCE FACILITIES.

Since the County Borough is a scheme-making authority under the Air Raid Precautions Act, the necessary ambulances have been obtained, and an ambulance service has been recruited and trained. During the period the service functioned satisfactorily.

NURSING IN THE HOME.

Arrangements under this heading remained the same as in previous years.

INSTITUTIONAL TREATMENT FOR UNMARRIED MOTHERS, ILLEGITIMATE CHILDREN, AND HOMELESS CHILDREN.

The Children's Homes have been closed since 20th November, 1939.

POOR LAW RELIEF.

(i) INSTITUTIONAL RELIEF.

Number of persons admitted to the Public Assistance Institution during 1941:

For medical treatment.....1547 For Indoor treatment...13

Number of persons in the Public Assistance Institution on 1st January, 1941 (excluding Colonists).....351

(ii) OUT- RELIEF.

Number of new cases applying for out-relief only during 1941:-

Men.....704 Women.....971 Children.....1525

Number of persons receiving out-relief on 1st January, 1942:-

Men.....239 Women.....526 Children..... 463

Number of cases applying for out-door medical relief only during 1941:-

Men..... 37 Women.....149 Children..... 172

Number of persons receiving medical relief on 1st January, 1942, who are also in receipt of out-door relief as shown in paragraph 4 above:-

Men..... 3 Women..... 3 Children..... 6



INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

During the year the numbers of mental defectives treated in the Colony at Howbeck House were as follows:-

	Adults		Children	
	Males.	Females.	Males.	Females.
High Grade .....	3	12	-	-
Medium Grade.....	11	64	11	9
Low Grade.....	13	73	16	7
Totals	27	149	27	16

Of the above, 202 were treated on behalf of other authorities.

MIDWIVES.

Cases attended during 1941:

	<u>As Midwives.</u>	<u>As Maternity Nurses.</u>
By Municipal Midwives	607	97
By Private Midwives	65	7
Totals	672	104

Some of the municipal midwives were engaged periodically in the Evacuation Scheme, accompanying expectant mothers and doing nursing duties at the Emergency Maternity Home.

HOME HELPS.

During the year Home Helps were engaged in 48 cases- 43 during the confinement of the mother and 5 during illness of the mother.

Payment for the Home Helps services ranged from 1/2d per week to 25/- per week (full cost), in accordance with the financial circumstances of the families.

The average period of attendance was 12 days.

MATERNITY CASES IN GRANTULLY MATERNITY HOME AND HOWBECK HOSPITAL.

	<u>GRANTULLY.</u>	<u>HOWBECK.</u>
Number of Maternity Beds: ...	16	4
Number of Maternity cases admitted during 1941 ...	234	111
Average duration of stay ...	14 days	14 days
Number of cases admitted for ante-natal treatment ...	19	36
Cases delivered by -		
(a) Doctors ...	101	21
(b) Midwives ...	133	90
Cases in which medical aid was sought in emergency ...	47	21
Cases notified as puerperal pyrexia ...	2	3
Cases notified as pemphigus neonatorum ...	-	-
Infants not entirely breast fed while in the Home ...	10	5
Cases of Ophthalmia Neonatorum ...	-	3
Maternal Deaths...	-	5
Infant Deaths		
(a) Stillborn ...	4	18
(b) Within 10 days of birth ...	2	4







## CLINICS AND TREATMENT CENTRES.

<u>ANTE NATAL CENTRE.</u>		<u>1941.</u>	<u>1940.</u>
Total attendances	...	618	238
No. of cases attending...	...	275	115
No. of new cases during the year...		260	101

## MATERNITY AND CHILD WELFARE CENTRES.

Total children attending Centres...		2336	1830
Total attendances	...	25006	19341
No. of children who made first attendances	...	1058	929
No. of visits made by these children	...	10126	8892
No. of children who attended in previous years	...	1278	901
No. of visits made by these children	...	14880	10449
No. of new attendors under 1 year...		823	776
No. of new attendors between 1 & 5...		235	153

## ANTE-NATAL SCHEME.

The Council's scheme for ante-natal and post-natal treatment by private practitioners was continued during the year.

## MATERNITY INSURANCE SCHEME.

	<u>Year ended 31st March, 1942.</u>	<u>Year ended 31st March, 1941.</u>
No. of Contributors to Scheme	386	436
Amount of Contributory Fees rec'd	£191.3.6d.	£163.6.0d.
Confinements during the period -		
(a) No medical attention	139	290
(b) With medical attention	132	144
Contributory Fees received in respect of (a) & (b) above	£135.10.0d.	£162.11.0d.
Amount of Doctors' fees paid by the Corporation	£281.3.0d.	£294.6.0d.
No. of cases where confinement has not taken place during the period	103	58
Percentage of cases in which medical treatment was required	49%	33%
Average cost per case of medical treatment	£2.2.7d.	£2.0.11d.
Amount received in contributory fees for each case treated	£1.0.6d.	£1.2.7d.
Loss to Corporation per case treated	£1.2.1d.	£0.18.4d.

## TUBERCULOSIS.

Although the figures show a slight increase over last year, they are well within the average figure for the ten years preceding the outbreak of hostilities.





TUBERCULOSIS - Number of Cases on the Register on  
31st December, 1941.

PULMONARY			NON-PULMONARY			TOTAL CASES.
Males.	Females.	Total.	Males.	Females.	Total.	
142	136	278	91	79	170	448

TUBERCULOSIS - NEW CASES AND MORTALITY, 1941.

Age periods.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
0 ...	-	-	-	1	-	-	-	1
1 year	-	2	6	3	-	-	2	4
5 years	2	1	9	2	1	-	-	-
10 years	1	3	4	3	-	1	-	1
15 years	5	6	2	1	3	4	1	2
20 years	7	11	2	-	9	7	2	-
25 years	12	13	1	-	6	3	2	-
35 years	9	3	1	-	9	3	-	-
45 years	9	2	-	1	9	2	-	-
55 years	4	2	-	1	3	1	-	-
65 & upwards	3	-	1	-	4	-	1	-
Totals	52	43	26	12	44	21	8	8

VENEREAL DISEASES ( By Dr.J.W.A.Rodgers ).

Alterations to the Mill House Clinic have now been completed and much new equipment added. Apart from the situation of the Clinic which is much too exposed, the working conditions are now very satisfactory.

We are sorry to have to record that attendances have shown a marked increase during the past year and they are still increasing.

The number of young females attending for the first time is still behind that of the males, and as a result a Wednesday evening Clinic has now been established. This Clinic it is hoped, will enable women who are on war work to receive treatment.

Other Clinics held at the Mill House are females - Friday 2.30p.m. to 4 p.m.; males - Monday and Thursday 5.30 p.m. to 7.30 p.m.

Private and confidential treatment has always been the aim of the Mill House Clinic. This, however, is now difficult as the increased number of patients necessitates a wait in the waiting room of upwards of one hour. The only remedy for this is to increase still further the number of Clinics and the times that the Doctor attends, but this is at present impracticable owing to the shortage of Doctors in the area.





INFECTIOUS DISEASES.

NOTIFIED CASES, 1941.

DISEASE	Cases notified in whole district.													
	At all ages	Age groups - years.												
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and up.	
Scarlet Fever	73	1	1	3	9	18	24	7	3	4	3	-	-	
Diphtheria	79	1	8	5	12	10	16	13	2	12	-	-	-	
Enteric Fever	12	-	-	-	-	-	1	3	1	5	2	-	-	
Puerperal Pyrexia	10	-	-	-	-	-	-	-	3	7	-	-	-	
Ophthalmia Neonatorum	14	14	-	-	-	-	-	-	-	-	-	-	-	
Pneumonia	117	12	22	8	2	5	6	3	9	15	13	16	6	
Erysipelas	18	-	1	-	-	-	-	1	-	3	6	6	1	
Encephalitis Lethargica	1	-	-	-	-	-	-	-	-	-	-	1	-	
Cerebro-spinal Fever	17	-	1	1	-	1	5	1	3	-	1	4	-	
Anterior Poliomyelitis	2	2	-	-	-	-	-	-	-	-	-	-	-	
Measles	1590	66	327	240	224	321	391	14	3	4	-	-	-	
Whooping Cough	287	28	72	50	46	45	43	3	-	-	-	-	-	
Pulmonary Tuberculosis	95	-	-	-	2	-	3	4	11	43	12	17	3	
Non-pulmonary Tuberculosis	38	1	3	3	-	3	11	7	3	3	1	2	1	
Totals	2353	125	435	310	295	403	500	56	38	96	38	46	11	

WARD DISTRIBUTION OF CASES, CASES TREATED IN HOSPITAL, & DEATHS.

DISEASE	WARDS.								Cases treated in Hosp.	Total Deaths.
	N.	W.	P.	SW.	SE.	C.	NE.	Stn.		
Scarlet Fever	16	7	7	8	5	7	6	17	52	-
Diphtheria	26	5	4	9	6	4	10	15	75	9
Enteric Fever	1	1	3	1	2	1	-	3	12	1
Puerperal Pyrexia	5	1	1	1	-	2	-	-	3	-
Ophthalmia Neonatorum	5	1	-	-	4	2	2	-	3	-
Pneumonia	31	14	9	7	14	18	8	16	38	50
Erysipelas	2	3	8	-	1	1	2	1	3	-
Encephalitis Lethargica	-	-	-	-	1	-	-	-	1	1
Cerebro-spinal Fever	4	2	5	4	-	1	1	-	12	4
Anterior Poliomyelitis	-	-	-	-	-	1	1	-	2	-
Measles	310	129	173	256	150	72	140	360	23	8
Whooping Cough	45	28	34	46	35	18	14	67	16	7
Pulmonary Tuberculosis	20	8	9	19	13	7	7	12	...	65
Non-pulmonary Tuberculosis	11	5	2	1	4	3	4	8	...	15
Totals	476	204	255	352	235	137	195	499	240	160





SANITARY CIRCUMSTANCES OF THE AREA.

WATER SUPPLY.

Below is given the Public Analyst's Report on a sample of the water supply of the Borough, which shows that the sample is of good and wholesome quality:

	<u>Parts per 100,000.</u>
Chlorine as Chlorides .. ..	13.600
Nitrogen as Nitrates .. ..	.1633
Ammonia .. ..	.0220
Albuminoid Ammonia .. ..	.0059
Oxygen Absorption .. ..	.0200
Injurious Metals .. ..	None
Total Solid Matter dried @ 100°C.	89.0000
Temporary Hardness 24.0 Degrees.	
Permanent Hardness 21.6 Degrees.	
Colour of sample on Hazen Scale ...	3.
Appearance of Sample in 2 foot tube..	Almost clear.
Odour when heated to 50°C.	.. None.
Microscopical examination	.. Satisfactory.

Bacteriological Examination.

Number of colonies on Nutrient Agar	
@ 37°C after 72 hours	1 per ml.
Number of colonies on Nutrient Agar	
@ 20-22°C after 72 hours	1 per ml.
Presumptive B.Coli Test at 37°C after	
72 hours	Negative in 100 ml.
Clostridium Welchii Test @ 44°C	Negative in 40 ml.

Analyst's Observations.

The sample affords no evidence of any form of contamination by undesirable drainage, and since it is of a high order of organic purity, it is of good and wholesome quality for human consumption.

HOUSING.

The number of inhabited houses in the Borough at the end of 1941 was 18,520.

During 1941, 5 houses and 1 house and shop were built by private enterprise; 1 house was built by the Corporation during the year.





## HOUSING.

## 1. INSPECTION OF DWELLING HOUSES DURING THE YEAR -

- (1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) .. .. . 570  
 (b) Number of inspections made for the purpose .. 3002
- (2) (a) Number of dwelling houses (included under (1) above) which were inspected and recorded under the Housing Consolidated Reg's, 1925 .. 208  
 (b) Number of inspections made for the purpose .. 468
- (3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for habitation .. .. . -
- (4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for habitation .. .. . 358

## 2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :-

- Number of defective dwelling houses rendered fit in consequence of informal action by the local authority or their officers .. .. . 336

## 3. ACTION UNDER STATUTORY POWERS DURING THE YEAR -

## A. Proceedings under Secs. 9, 10, and 16 of the Housing Act, 1936. -

- (1) Number of dwelling houses in respect of which notices were served requiring repairs .. .. . -  
 (2) Number of dwelling houses which were rendered fit after service of formal notices -  
     (a) by owners .. .. . -  
     (b) by local authority in default .. .. . -

## B. Proceedings under Public Health Acts -

- (1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied .. .. . 11  
 (2) Number of dwelling houses in which defects were remedied after service of formal notices:-  
     (a) by owners .. .. . 11  
     (b) by local authority in default .. .. . -

## C. Proceedings under Sections 11 and 13 of the Housing Act, 1936 -

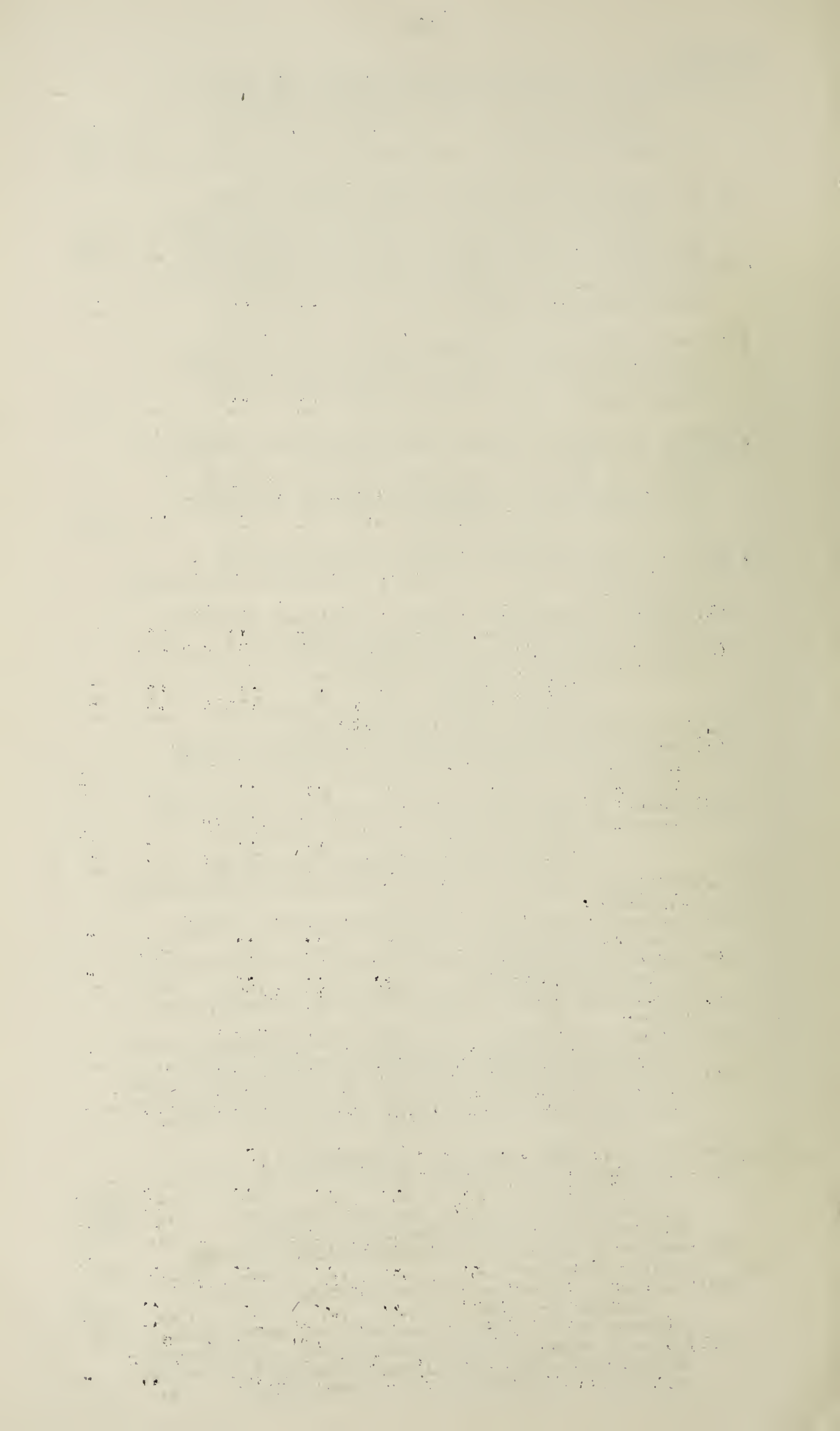
- (1) Number of dwelling houses in respect of which Demolition Orders were made .. .. . -  
 (2) Number of dwelling houses demolished in pursuance of Demolition Orders .. .. . -

## D. Proceedings under Section 12 of the Housing Act, 1936 -

- (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made .. .. . -  
 (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit.. .. . -

## 4. HOUSING ACT, 1936, PART IV. OVERCROWDING -

- (a) (i) Number of dwellings overcrowded at the end of the year .. .. . 1105  
     (ii) Number of families dwelling therein .. 1331  
     (iii) Number of persons dwelling therein .. 7678  
 (b) Number of new cases of overcrowding reported during the year .. .. . Nil  
 (c) (i) Number of cases of overcrowding relieved during the year .. .. . 22  
     (ii) Number of persons concerned in such cases.. 145  
 (d) Cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding .. .. . -





FACTORIES AND WORKSHOPS. (Factory & Workshop Act, 1901.  
Factories Act, 1937).

INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH  
INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

PREMISES	Number of Inspections.	Notices.	Prosec- utions.
Factories, with mechanical power	91	13	-
Factories, without mechanical power	66	1	-
Other premises, under the Act, including works of building and engineering construction, but not including worker's premises	2	-	-
Totals	159	14	-

DEFECTS FOUND.

PARTICULARS	Number of defects- Found. Remedied.		Referred to H.M. Inspector.
Want of cleanliness	7	7	-
Sanitary Conveniences -			
Insufficient	-	-	-
Unsuitable or defective	6	5	1
Not separate for sexes	-	-	-
Other offences (not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (F. & W. Transfer of Powers) Order 1921, and re-enacted in the third schedule to the Factories Act, 1937)	3	3	-
Totals	16	15	1

PUBLIC ABATTOIR.

Animals slaughtered at Abattoir.

Year.	Beasts.	Sheep.	Calves.	Pigs.	Total.
1932	3609	12352	297	9324	25,582
1933	4465	14219	419	9458	28,561
1934	4581	13556	728	8772	27,637
1935	4839	11429	1056	9231	26,555
1936	5538	11135	1187	9769	27,629
1937	5157	8555	736	9510	23,958
1938	4426	11067	694	8544	24,731
1939	4417	11862	842	7238	24,359
1940	3706	19297	137	3324	26,464
1941	2247	12753	186	3301	18,487





Total Cattle Slaughtered (including calves) ...	1941.
Number affected with Tuberculosis ...	2433
Percentage affected ...	138
Total number of pigs slaughtered ...	5.67%
Number affected with Tuberculosis ...	3301
Percentage affected ...	36
	1.09%

CARCASES INSPECTED AND CONDEMNED.

	Cattle exclud- ing Cows.	Cows.	Calves.	Sheep & Lambs.	Pigs.
Number killed (if known)	2247		186	12753	3301
Number inspected	2247		186	12753	3301
All diseases except tuberculosis. Whole carcases condemned.	3	1	..	8	-
Carcases of which some part or organ was condemned.	69	46	1	168	22
Percentage of the insp- ected affected with disease other than tuberculosis.	5.29		0.54	1.38	0.66
Tuberculosis only. Whole carcases condemned.	4	11	-	-	-
Carcases of which some part or organ was condemned.	43	71	9	-	36
Percentage of the number inspected affec- ted with Tuberculosis	5.74		4.84	-	1.09

APPENDIX I. BIRTH RATES.

Year.	West Hartlepool.		England & Wales Birth Rate.
	No. of Births.	Birth Rate.	
1932	1,415	20.3	15.3
1933	1,298	18.3	14.4
1934	1,357	18.9	14.8
1935	1,447	20.2	14.7
1936	1,304	18.4	14.8
1937	1,296	18.4	14.9
1938	1,367	19.4	15.1
1939	1,346	19.2	15.0
1940	1,150	17.8	14.6
1941	1,068	17.11	14.2

APPENDIX 2. NATURAL INCREASE OF POPULATION.

The natural increase of population was 97  
Rates of Natural increase, per 1,000 population.

1932.	1933.	1934.	1935.	1936.	1937.	1938.	1939.	1940.	1941.
8.2	5.7	6.8	7.1	5.7	5.3	6.6	6.6	3.0	1.5





APPENDIX 3. DEATHS - CAUSES & WARD DISTRIBUTION.

	Total Deaths	Wards.								Trans- fer- able.
		N.	W.	P.	SW.	SE.	C.	NE.	S.	
Enteric Fever	1	-	-	-	-	1	-	-	-	-
Cerebro-spinal Fever	4	1	-	1	-	-	1	1	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-
Whooping Cough	7	1	-	-	1	1	2	-	2	-
Diphtheria	9	3	-	-	1	-	1	-	3	1
Tuberculosis (Respiratory)	64	10	2	4	12	13	8	5	6	4
Other Tuberculosis Diseases	16	4	2	-	1	1	1	4	2	1
Syphilitic Diseases	6	-	-	1	1	-	-	1	1	2
Influenza	7	2	1	-	3	-	-	-	1	-
Measles	8	-	-	-	-	3	3	1	1	-
Acute Infective Encephalitis	2	-	-	-	1	1	-	-	-	-
Cancer	131	15	9	18	22	10	16	13	18	10
Diabetes	7	-	-	3	1	1	-	1	1	-
Heart Disease	184	26	13	23	28	17	30	20	22	5
Other Diseases of Circulatory System	102	15	20	11	16	7	12	11	9	1
Bronchitis	63	13	4	5	9	8	6	9	9	-
Pneumonia	50	7	5	3	5	10	10	5	4	1
Other Respiratory Diseases	13	-	-	2	1	3	-	2	3	2
Ulcer of Stomach & Duodenum	10	4	2	-	-	-	1	-	2	1
Diarrhoea under 2 years	10	3	-	1	-	1	3	1	1	-
Appendicitis	1	-	-	-	-	-	-	-	-	1
Other Digestive Diseases	13	2	2	1	1	2	-	1	3	4
Nephritis	13	3	-	-	1	2	1	2	1	3
Puerperal and Post- abortive Sepsis	3	1	-	-	-	-	1	-	1	-
Other Maternal Causes	4	-	-	-	-	1	1	1	-	1
Congenital Debility (including prematurity)	31	2	1	8	3	3	5	5	3	1
Suicide	4	1	1	-	-	-	1	1	-	-
Other Violent Cases (including Road Traffic accidents)	83	7	11	4	19	3	8	10	10	11
All Other Causes	122	13	6	12	32	6	18	7	18	10
Totals	971	133	79	97	158	94	129	101	121	59





DEATHS - CAUSES & AGES AT DEATH.

	All Ages.	AGE GROUPS									Deaths in Instit- utions.	Increase or Decrease compared with 1940.
		Und- er 1	1 to 2	2 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 to 75	75 Up		
Enteric Fever	1	-	-	-	-	-	1	-	-	-	1	Same
Cerebro-spinal Fever	4	-	1	-	1	-	-	2	-	-	1	Same
Whooping Cough	7	1	5	-	1	-	-	-	-	-	2	Plus 7
Diphtheria	9	1	-	3	4	1	-	-	-	-	7	Plus 8
Tuberculosis (Respiratory)	64	1	-	-	3	24	25	16	5	-	25	Plus 14
Other Tuberculosis Diseases	16	-	2	5	1	3	3	1	1	-	10	Plus 7
Syphilitis Diseases	6	-	-	-	-	-	1	4	1	1	2	Plus 3
Influenza	7	-	-	-	-	1	-	1	3	2	-	- 4
Measles	8	3	3	1	1	-	-	-	-	-	1	Plus 5
Acute Infective Encephalitis	2	-	-	-	1	-	-	1	-	-	1	Same
Cancer	131	-	-	-	-	-	10	49	50	22	29	Plus 23
Diabetes	7	-	-	-	-	-	1	1	3	2	1	Plus 2
Heart Disease	184	-	-	-	3	3	3	56	60	59	51	- 24
Other Diseases of Circulatory System	102	-	-	-	-	-	1	32	34	35	29	
Bronchitis	63	16	1	-	-	-	1	17	15	13	11	Plus 2
Pneumonia	50	16	8	5	4	2	3	8	3	1	13	- 15
Other Respiratory Diseases	13	1	-	-	-	1	3	4	-	4	3	Same
Ulcer of Stomach & Duodenum	10	-	-	-	-	-	1	8	1	-	6	- 1
Diarrhoea under 2 years	10	10	-	-	-	-	-	-	-	-	3	- 3
Appendicitis	1	-	-	-	-	-	-	-	1	-	-	Same
Other Digestive Diseases	16	1	-	1	-	-	3	4	6	1	6	- 4
Nephritis	13	-	-	-	1	1	-	6	4	1	6	- 4
Puerperal & Post- abortive sepsis	3	-	-	-	-	1	2	-	-	-	2	Plus 2
Other Maternal Causes	4	-	-	-	-	-	4	-	-	-	4	Plus 4
Congenital Debility (including prematurity)	31	31	-	-	-	-	-	-	-	-	8	- 22
Suicide	4	-	-	-	-	-	1	2	1	-	1	Plus 1
Other Violent Causes (including Road Traffic accidents)	83	3	-	5	13	5	13	17	15	12	32	Plus 36
All Other Causes	122	6	-	5	3	6	9	29	29	35	38	- 16
Totals	971	90	20	24	35	45	82	257	230	188	293	Plus 20





APPENDIX 4. DEATH RATES.

Year.	WEST HARTLEPOOL		England & Wales
	NO. of deaths.	Death rate.	Death rate.
1932	844	12.0	12.0
1933	892	12.6	12.0
1934	873	12.2	11.8
1935	933	13.0	11.7
1936	903	12.7	12.1
1937	924	13.1	12.4
1938	897	12.7	11.6
1939	882	12.8	12.1
1940	951	14.7	14.3
1941	971	15.57	12.9

APPENDIX 5. CANCER DEATHS.

YEAR	NO. of Cancer Deaths	Males	Females	Death rate	Death from all causes	Percentage of total deaths
1932	102	62	40	1.46	844	12.1
1933	97	51	46	1.38	892	10.8
1934	119	62	57	1.66	873	13.6
1935	107	61	44	1.49	933	11.7
1936	103	66	37	1.45	903	11.4
1937	103	51	52	1.47	924	11.1
1938	112	54	58	1.59	897	12.5
1939	121	58	63	1.76	882	13.7
1940	108	49	59	1.67	951	11.3
1941	131	70	61	2.1	971	13.5

The deaths were ascribed to:

Carcinoma , 109, Epithelioma; 6, Sarcoma 2;  
No classification 14

APPENDIX 6. INFANTILE MORTALITY RATES.

Year	WEST HARTLEPOOL			England & Wales
	Births	Deaths	I.M. Rate	I.M. Rate
1932	1415	126	89	65
1933	1298	99	76	64
1934	1357	92	67	59
1935	1447	127	87	57
1936	1304	70	53	59
1937	1296	81	62	58
1938	1367	80	58	53
1939	1339	94	70	50
1940	1127	93	82	55
1941	1068	90	84.27	59





APPENDIX 7. BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY, 1941.

	England & Wales.	126 County Boroughs & Great Towns including London.	148 Smaller Towns, estimated resident Popul- ation 25,000 to 40,000 Census 1931.	London.	West Hart- lepool
Rate per 1,000 total population.					
Live Births.	14.2	14.7	16.4	8.9	17.11
Still Births.	0.51	0.58.	0.60	0.33	1.02
Annual Death rate per 1,000 Population.					
All Causes.	12.9	14.9	13.0	16.3	15.57
Enteric Fever.	0.00	0.00	0.00	0.01	0.01
Small Pox.	-	-	-	-	0.00
Measles.	0.03	0.03	0.03	0.02	0.12
Scarlet Fever.	0.00	0.00	0.00	0.00	0.00
Whooping Cough.	0.06	0.07	0.06	0.04	0.11
Diphtheria.	0.07	0.08	0.06	0.03	0.14
Influenza.	0.19	0.17	0.20	0.15	0.11
Rate per 1,000 Live Births.					
Diarrhoea & Enteritis under 2 years.	5.1	7.5	4.6	6.8	9.3
Total Deaths under 1 year.	69	71	56	68	84
Percentage of Total Deaths. Certified by Reg. Medical Pract'rs.	...	...	...	...	90.5
Inquest Cases. Certified by Coroner, after P.M.	...	...	...	...	6.3
Uncertified.	...	...	...	...	1.0
					2.2

APPENDIX 8.

VACCINATION.

	1941.	1940.
Births registered	1135	1369
Successfully vaccinated	625	785
Conscientious objectors	371	431
Died unvaccinated	58	64
Insusceptible	4	5
Postponed by medical certificate	11	24
Removed to other districts	12	10
Lost sight of	48	47
Still under notice	6	3
Percentage of unvaccinated children.	44.93	42.73%







